

***Asclepias eastwoodiana*** Barneby (1945)**EASTWOOD MILKWEED**

**FAMILY:** *Asclepiadaceae*, the milkweed family.

**SYNONYMS:** *Asclepias uncialis* ssp. *ruthiae* (?)

**STATUS:**

**Heritage Program SENSITIVE LIST, ranks: G2Q S2**

**USFWS/ESA:** species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species. **USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.

**POPULATION CENSUS:** **19 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 28 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 1475+**, total estimated **area unknown**. **TREND:** unknown.

**IMPACTS AND MAJOR THREATS:** USFS: Trampling by cattle and habitat loss due to mining and road construction are major threats.

**INVENTORY EFFORT:** Not yet systematically surveyed in Nevada. Most recent entered survey 1991, average year of last survey 1976. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 3.6%; **11-20 yrs:** 39.3%; **21-30 yrs:** 46.4%; **51+ yrs or unknown:** 10.7%.

**LAND MANAGEMENT** in decreasing predominance: U. S. Bureau of Land Management, Humboldt-Toiyabe National Forest, U. S. Department of Defense, Nevada state lands, private lands (?), designated wilderness (?).

**RANGE:** Esmeralda, Lander, Lincoln, and Nye counties, Nevada. **Nevada endemic.** Maximum **range dimension 283.8 km (176.3 mi)** excluding most disjunct record. **Type specimen** collected in Lander County.

**ELEVATIONS RECORDED:** 4680-7080 feet (1426-2158 meters).

**HABITAT:** In open areas on a wide variety of basic (pH usually 8 or higher) soils, including calcareous clay knolls, sand, carbonate or basaltic gravels, or shale outcrops, generally barren and lacking competition, frequently in small washes or other moisture-accumulating microsites, in the shadscale, mixed-shrub, sagebrush, and lower pinyon-juniper zones.

**PHENOLOGY:** flowering late-spring. Range of most frequent **survey months:** May-June.

**LIFE-FORM AND HABIT:** long-lived perennial herb from a buried root crown.

**DESCRIPTION:** not available (see references).

**PHOTOGRAPHS:** Weixelman and Atwood (1990); Nevada Natural Heritage Program slide collection (1986-present) and files.

**ILLUSTRATIONS:** Cronquist et al. (1984), Mozingo and Williams (1980), Weixelman and Atwood (1990).

**OTHER GENERAL REFERENCES** (listed separately): Goodrich (1981), Rhoads et al. (1979), Spahr et al. (1991).

**SPECIFIC REFERENCES:**

Barneby, R. C. 1945. A new species of *Asclepias* from Nevada. *Leaflets of Western Botany* 4: 210-211.

Welsh, S. 1981. Status report for *Asclepias eastwoodiana*. Portland, Oregon: U. S. Fish and Wildlife Service.

Woodbury, K. 1980. Status report for *Asclepias eastwoodiana*. Portland, Oregon: U. S. Fish and Wildlife Service.

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